

## CRF Errors Corrected by the STIC Systems Branch

# 5 O/P/E 05/03

Serial Number: 10/050,189A

CRF Processing Date: 5/14/2002  
Edited by: JD  
Verified by: JD (STIC staff) Changed a file from non-ASCII to ASCII

ENTERED

 Changed the margins in cases where the sequence text was "wrapped" down to the next line. Edited a format error in the Current Application Data section, specifically: Edited the Current Application Data section with the actual current number. The number inputted by the applicant was  the prior application data; or  other \_\_\_\_\_. Added the mandatory heading and subheadings for "Current Application Data". Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer. Changed the spelling of a mandatory field (the headings or subheadings), specifically: Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place. Inserted colons after headings/subheadings. Headings edited included: Deleted extra, invalid, headings used by an applicant, specifically: Deleted:  non-ASCII "garbage" at the beginning/end of files;  secretary initials/filename at end of file;  page numbers throughout text;  other invalid text, such as \_\_\_\_\_. Inserted mandatory headings, specifically: Corrected an obvious error in the response, specifically: Edited identifiers where upper case is used but lower case is required, or vice versa. Corrected an error in the Number of Sequences field, specifically: A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted. Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: Other:globally aligned amino acid numbers



OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/050,189A

DATE: 05/14/2002  
TIME: 18:27:06

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF3\05142002\J050189A.raw

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5 <110> APPLICANT: Rubin, Berish
7     Anderson, Sylvia
10 <120> TITLE OF INVENTION: Detection of Mutations in a Gene Encoding IKB Kinase-
Complex-Associated
11     Protein to Diagnose Familial Dysautonomia
14 <130> FILE REFERENCE: Rubin 201
C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/050,189A
18 <141> CURRENT FILING DATE: 2002-01-16
20 <160> NUMBER OF SEQ ID NOS: 13
22 <170> SOFTWARE: PatentIn version 3.1
26 <210> SEQ ID NO: 1
28 <211> LENGTH: 19
30 <212> TYPE: DNA
32 <213> ORGANISM: Homo sapiens
36 <400> SEQUENCE: 1
37 gcagcaatca tgtgtccca                                         19
40 <210> SEQ ID NO: 2
42 <211> LENGTH: 20
44 <212> TYPE: DNA
46 <213> ORGANISM: Homo sapiens
50 <400> SEQUENCE: 2
51 gattctcagc tttctcatgc                                         20
54 <210> SEQ ID NO: 3
56 <211> LENGTH: 18
58 <212> TYPE: PRT
60 <213> ORGANISM: Homo sapiens
64 <400> SEQUENCE: 3
66 Asp Pro Val Ser Arg Glu Val Lys Asn Glu Val Ser Leu Val Ala Glu
67 1             5           10          15
69 Gly Phe
73 <210> SEQ ID NO: 4
75 <211> LENGTH: 7
77 <212> TYPE: DNA
79 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 4
84 gtaagtg                                         7
87 <210> SEQ ID NO: 5
89 <211> LENGTH: 7
91 <212> TYPE: DNA
93 <213> ORGANISM: Homo sapiens
97 <400> SEQUENCE: 5
98 gtaagcg                                         7
101 <210> SEQ ID NO: 6
103 <211> LENGTH: 18

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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/050,189A

DATE: 05/14/2002  
TIME: 18:27:06

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF3\05142002\J050189A.raw

105 <212> TYPE: DNA  
 107 <213> ORGANISM: Homo sapiens  
 111 <400> SEQUENCE: 6  
 112 gagaacaaca agattcgc 18  
 115 <210> SEQ ID NO: 7  
 117 <211> LENGTH: 20  
 119 <212> TYPE: DNA  
 121 <213> ORGANISM: Homo sapiens  
 125 <400> SEQUENCE: 7  
 126 agtcgcaaac agtacaatgg 20  
 129 <210> SEQ ID NO: 8  
 131 <211> LENGTH: 20  
 133 <212> TYPE: DNA  
 135 <213> ORGANISM: Homo sapiens  
 139 <400> SEQUENCE: 8  
 140 gcagttaatg gagagtggct 20  
 143 <210> SEQ ID NO: 9  
 145 <211> LENGTH: 18  
 147 <212> TYPE: DNA  
 149 <213> ORGANISM: Homo sapiens  
 153 <400> SEQUENCE: 9  
 154 atgcttggta cttggctg 18  
 157 <210> SEQ ID NO: 10  
 159 <211> LENGTH: 117  
 161 <212> TYPE: DNA  
 163 <213> ORGANISM: Homo sapiens  
 167 <400> SEQUENCE: 10  
 168 cccaggaca caaagcttgt attacagatg ccaaggaa acttagaagt tggcatcat 60  
 170 cgagccctgg tttagctca gattcgaaag tggtggaca aacttatgtt taaagag 117  
 173 <210> SEQ ID NO: 11  
 175 <211> LENGTH: 39  
 177 <212> TYPE: PRT  
 179 <213> ORGANISM: Homo sapiens  
 183 <400> SEQUENCE: 11  
 185 Pro Gln Asp Thr Lys Leu Val Leu Gln Met Pro Arg Gly Asn Leu Glu  
 186 1 5 10 15  
 188 Val Val His His Arg Ala Leu Val Leu Ala Gln Ile Arg Lys Trp Leu  
 189 20 25 30  
 191 Asp Lys Leu Met Phe Lys Glu  
 192 35  
 194 <210> SEQ ID NO: 12  
 196 <211> LENGTH: 43  
 198 <212> TYPE: DNA  
 200 <213> ORGANISM: Homo sapiens  
 204 <400> SEQUENCE: 12  
 205 cccaggaca caaagcttgt attacagact tatgttaaa gag 43  
 208 <210> SEQ ID NO: 13  
 210 <211> LENGTH: 12  
 212 <212> TYPE: PRT

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/050,189A

DATE: 05/14/2002  
TIME: 18:27:07

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF3\05142002\J050189A.raw

214 <213> ORGANISM: Homo sapiens  
218 <400> SEQUENCE: 13  
220 Pro Gln Asp Thr Lys Leu Val Leu Gln Thr Tyr Val  
221 1 5 10

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/050,189A

DATE: 05/14/2002

TIME: 18:27:08

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF3\05142002\J050189A.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application Number



OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/050, 189A

DATE: 05/07/2002

TIME: 13:52:05

Input Set : A:\EP.txt  
Output Set: N:\CRF3\05072002\J050189A.raw

*Does Not Comply  
Corrected Diskette Needed*

5 <110> APPLICANT: Rubin, Berish  
7 Anderson, Sylvia  
10 <120> TITLE OF INVENTION: Detection of Mutations in a Gene Encoding IKB Kinase-  
Complex-Associated  
11 Protein to Diagnose Familial Dysautonomia  
14 <130> FILE REFERENCE: Rubin 201  
**C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/050,189A**  
18 <141> CURRENT FILING DATE: 2002-01-16  
20 <160> NUMBER OF SEQ ID NOS: 13  
22 <170> SOFTWARE: PatentIn version 3.1

## ERRORRED SEQUENCES

54 <210> SEQ ID NO: 3  
56 <211> LENGTH: 18  
58 <212> TYPE: PRT  
60 <213> ORGANISM: Homo sapiens  
64 <400> SEQUENCE: 3  
66 Asp Pro Val Ser Arg Glu Val Lys Asn Glu Val Ser Leu Val Ala Glu  
E--> 67 1 5 10  
E--> 68 15  
71 Gly Phe  
175 <210> SEQ ID NO: 11  
177 <211> LENGTH: 39  
179 <212> TYPE: PRT  
181 <213> ORGANISM: Homo sapiens  
185 <400> SEQUENCE: 11  
187 Pro Gln Asp Thr Lys Leu Val Leu Gln Met Pro Arg Gly Asn Leu Glu  
E--> 188 1 5 10  
E--> 189 15  
192 Val Val His His Arg Ala Leu Val Leu Ala Gln Ile Arg Lys Trp Leu  
E--> 193 20 25  
E--> 194 30  
197 Asp Lys Leu Met Phe Lys Glu  
E--> 198 35  
215 <210> SEQ ID NO: 13  
217 <211> LENGTH: 12  
219 <212> TYPE: PRT  
221 <213> ORGANISM: Homo sapiens  
225 <400> SEQUENCE: 13  
227 Pro Gln Asp Thr Lys Leu Val Leu Gln Thr Tyr Val  
E--> 228 1 5  
E--> 233 1 10

Mesalized  
amino acid nos.

RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 05/07/2002  
PATENT APPLICATION: US/10/050,189A                    TIME: 13:52:06

Input Set : A:\EP.txt  
Output Set: N:\CRF3\05072002\J050189A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:3; Line(s) 67  
Seq#:11; Line(s) 193

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/050,189A

DATE: 05/07/2002

TIME: 13:52:06

Input Set : A:\EP.txt

Output Set: N:\CRF3\05072002\J050189A.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:67 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:3  
M:332 Repeated in SeqNo=3  
L:188 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:11  
M:332 Repeated in SeqNo=11  
L:228 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:13  
M:332 Repeated in SeqNo=13